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DSC-HX50V/B

Cyber-shot Digital Camera HX50V

Take hold of the textured grip and capture your next adventure with ultra-sharp precision. Not only does this compact, 20.4MP beauty deliver an impressive 30x optical zoom, actions shots appear clearer thanks to advanced 3-way image stabilization. You also get full manual control for more creative shots and 1080/60p movie recording for smoother footage. You can even map your memories with built-in GPS tagging and accessorize with a wide variety of available extras.

Key Features

30x optical zoom plus 60x Clear Image Digital Zoom

Get super close with 30x optical zoom plus 60x Clear Image digital zoom. Most digital zooms use electronic cropping to get closer to the subject, resulting in unsharp images. With Clear Image Zoom the powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image Zoom doubles optical zoom for closer photos.

Optical SteadyShot® image stabilization

Optical SteadyShot® image stabilization reduces shake and blur by countering camera movements in both horizontal and vertical directions.[3] Active 3-Way stabilization adds digital rolling control that counters clockwise and anti-clockwise rotation, resulting in more stable videos even at long focal lengths

20.4 Megapixel Back-illuminated Exmor® R CMOS Image Sensor

This camera features a 20.4 megapixel Exmor® R CMOS image sensor that brings out the full resolving power of the camera's Carl Zeiss® Vario-Sonnar T* lens to deliver extremely fast speed, high resolution, and stunning low-light sensitivity with improved image clarity and drastically reduced grain.

Full HD 1080/60p

Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080 AVCHD™ video.[1] This provides stunning, fast motion video with less distortion for playback on your HD TV.2 With dual record of stills and movies, you can shoot both at the same time.

Full manual & dedicated EV control dial allow more creativity

For creative flexibility, users can enter Program Auto (P), Aperture Priority (A), Shutter Speed Priority (S) or Manual Exposure (M) mode for manual shooting and direct access exposure control via dedicated dial

Capture the decisive moment with up to 10fps

Capture full 20.4 megapixel resolution images at up to 10 frames per second, helping to ensure that the decisive moment is captured such as the soccer ball flying into the goal. In addition, a mechanical shutter helps reduce distortion when continuously shooting moving subjects.

Multi interface shoe attaches flash, light, and mic

The multi interface shoe allows easy connection with wide-ranging accessories expanding the range of photographic expression. Available accessories include a powerful external flash unit, electronic viewfinder etc.

Incredible battery life of approx. 400 shots

Take up to 400 photos per charge for high-volume photography on-the-go. Perfect partner for travel.

3.0" LCD (921K dots) with high resolution viewing

The 3.0-inch Xtra Fine LCD™ LCD has 921K dots for superb resolution.

Intelligent Sweep Panorama™ mode-up to 360°

Intelligent Sweep Panorama mode takes our Sweep Panorama function to the next level with the addition of motion compensation. Even when subjects are moving in the foreground of your landscape, these cameras can detect faces and moving subjects, intelligently stitching different widths together to minimize distortion. Simply press the shutter button and sweep the camera in the desired direction and the camera continuously shoots at a high speed, then seamlessly stitches the images together with automatic position adjustment to create one stunning panoramic image. Available in wide and up to 360° full circle, the camera can take a variety of panoramic shots.

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Specifications

Camera	
Camera Type	High zoom
Imaging Sensor	
Imaging Sensor	1/2.3" Exmor R® CMOS sensor
Pixel Gross	21.1 MP
Effective Picture Resolution	20.4 MP
Color Filter System	RGB primary color filters
Recording	
Media Type	Optional "Memory Stick Duo" (No movie recording), optional "Memory Stick PRO Duo" (Mark 2 only for movie recording), optional "Memory Stick PRO-HG Duo", optional SD Memory Card (Class 4 or higher), optional SDHC Memory Card (Class 4 or higher)
Color Space	RGB
Still Image Max Effective Resolution	Approx. 20.4 Megapixels
Still Image Size 16:9	16:9 mode: 15M (5,184 x 2,920) / 2M (1,920 x 1,080)
Still Image Size 4:3	4:3 mode: 20M (5,184 x 3,888) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA
Panorama Still Image Size	Sweep Panorama: 360 (11,520 x 1,080) / HR (10,480 x 4,096) / Wide (7,152 x 1,080 / 4,912 x 1,920) / Standard (4,912 x 1,080 / 3,424 x 1,920)
Video Format	AVCHD Ver2.0 / MP4
Video Mode	AVCHD 60i/60p: 28M PS (1,920x1,080/60p) / 24M FX / 17M FH (1,920x1,080/60i) / 9M HQ (1,440x1,080/60i), MP4: 12M (1,440x1,080/30fps) / 6M (1,280x720/30fps) / 3M VGA (640x480/30fps)
Dual Record	Yes
Audio Format	AC3 (Stereo)
Microphone/Speaker	Stereo / mono
Wind Noise Reduction	Off / On
Optics/Lens	
Lens Type	Sony G
Optical Zoom	30x
Focal Length (35mm equivalent)	Still 4:3: 24-720mm / Movie 4:3: 32.5-975mm (SteadyShot Standard) 32.5-1320 (SteadyShot Active) / Still 16:9: 26-780mm / Movie 16:9: 26.5-795mm (SteadyShot Standard) 26.5-1080mm (SteadyShot Active)
Lens Construction	11 elements in 10 groups (including 5 aspheric elements)
Minimum Focus Distance	iAuto: AF (W: Approx. 5cm (0.16 ft.) to Infinity, T: Approx. 200cm (6.56 ft.) to Infinity) / Program Auto: AF (W: Approx. 5cm (0.16 ft.) to Infinity, T: Approx. 200cm (6.56 ft.) to Infinity)
Steady Shot Mode:Active	Yes
LCD Display	
LCD Type	3.0" Xtra Fine™ LCD (921K dots)
Brightness Control	5 (Bright) / 4 / 3 / 2 / 1 (Dark)
Histogram	Yes (On/Off)
Grid Display	Yes
Focus Control	
AF Modes	Multi Point AF / Center Weighted AF / Spot AF / Flexible Spot AF / Manual / Face Tracking Focus
AF Illuminator	Auto / Off
Exposure System	
Metering Modes	Multi Pattern / Center Weighted / Spot
Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step

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Scene Mode(s)	High Sensitivity / Soft snap / Soft Skin / Landscape / Night Portrait / Night Scene / Handheld Twilight / Gourmet / Beach / Snow / Fireworks / Pet mode / Anti-motion blur / Backlight Correction HDR / Advanced Sports Shooting
ISO	Auto/80/100/200/400/800/1600/3200/6400 *4 /12800 *4
White Balance Mode	Auto / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / One Push, One Push Set / White Balance Shift
Drive System	
Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2
Shutter Speeds	iAuto (4 - 1/4000) / Program Auto (1 - 1/4000) / Aperture Priority (8 - 1/2000) / Shutter Priority (30 - 1/4000) / Manual (30 - 1/4000)
Burst Mode	Approx 10 fps at 20.4MP (Maximum 10 shots)
Flash	
Flash Modes	Auto / Flash On / Slow Synchro / Rear Slow Synchro / Flash Off / Advanced Flash
Flash Coverage	ISO Auto: Approx. 0.25m to 5.6m (0.82 ft. to 18.37 ft.) (W) / Approx. 2.0m to 3.0m (6.56 ft.. to 9.84 ft.) (T), ISO3200: up to Approx. 7.9m (25.91 ft.) (W) / Approx. 4.2m (13.78 ft.) (T)
Convenience Features	
Red-Eye Reduction	Auto / On / Off
Erase/Protect	Erase: Single / Select / Date / Folder / AVCHD Protect: Single / Select / Date / Folder / AVCHD
Power Save Mode	Standard / Max / Off
Advanced Features	
Anti Motion Blur	Yes
Sweep Panorama	Intelligent Sweep Panorama (360)
Face Detection	8 faces
Smile Shutter™ technology	Yes
Image Stabilization	Optical SteadyShot™ Image Stabilization with 3-way Active mode
In-Camera Editing	Retouch / Trimming / Red Eye Correction / Unsharp Masking/Still image capture from Movie / Date view / Slideshow with Music / 3D Viewing Mode / BRAVIA Sync / Picture Effect (Watercolor, Illustration)
Intelligent Auto	Yes
Background Defocus	Yes
Superior Auto	Yes
Tracking Focus	Off / Auto
Blink Detection	Yes
Interface	
Memory Card Slot	MS Duo and SD/SDHC compatible
HD Output	Micro HDMI
USB Port(s)	Multi (AV/USB), Hi-Speed USB (USB2.0)
Weights and Measurements	
Dimensions (Approx.)	W x H x D: 4 3/8" x 2 5/8" x 1 9/16" (108.1 x 63.6 x 38.3mm)
Weight (Approx.)	9.6oz (272g) Battery and Memory Stick DUO are included
Weight(Approx) (Main unit only)	8.6oz (246g) Body Only
Power	
Battery Type	LITHIUM ION NP-BX1 3.6V
Battery Capacity	4.5Wh (1240mAh)
Power Consumption (in Operation)	Approx. 1.2W
Power Requirements	AC 100V to 240V, 50/60 Hz, 70mA
Accessories	

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Supplied Accessories	Rechargeable Battery Pack NP-BX1 AC AdaptorAC-UB10 Micro USB cable Shoulder Strap Shoe Cap Instruction Manual

1. Records in 29 minute segments
2. Requires HDTV and HDMI cable sold separately
3. Combined with electronic stabilization

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